

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-794 REV. G AND EARLIER

REF. TCCA STC: SH05-4

REF. FAA STC: SR02794NY

REF. EASA STC: 10031514

1.0 INTRODUCTION

It has come to DART's attention that, in the event that the D4022-041 Fuel Pump (part of DART's Auxiliary Fuel Tank Kit P/N's: D350-794-011 & D130-794-021 and D350-794-111 & D130-794-121 at CHG 006 and previous) develops a leak, the red blanking plug in the Fuel Pump does not allow for proper fuel drainage.

DART Auxiliary Fuel Tank Kit P/N's: D350-794-111 & D130-794-121 at CHG 007 and subsequent, incorporate the intent of this Service Instruction via an upgraded D4022-041 Fuel Pump.

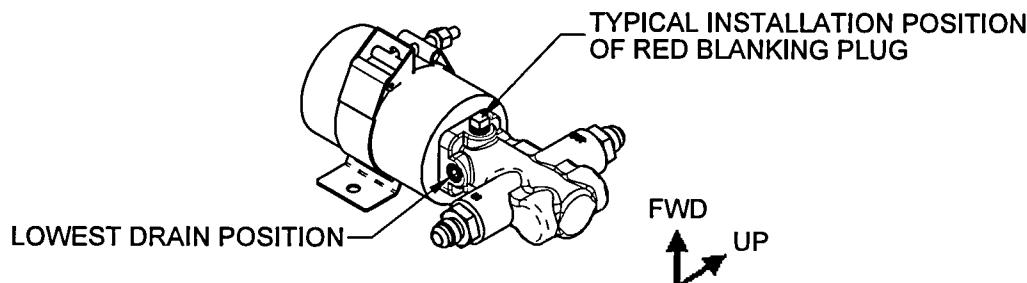


FIGURE 1: D4022-041 Fuel Pump

2.0 PURPOSE

The purpose of this Dart Service Instruction (DSI) is to provide instructions for the removal of the existing red blanking plug from the D4022-041 Fuel Pump and replacement with the D5540-1 Breather Vent.

3.0 INSTRUCTIONS

1. Remove the red blanking plug and set screw installed in the lowest drain position from the D4022-041 Fuel Pump, reference Figure 2. Discard the red blanking plug.
2. Inspect pump per ICA-D350-794.
3. Install removed set screw in place of red blanking plug per Figure 3. Torque to 2.5 in-lbs.
4. Install the D5540-1 Breather Vent in the lowest drain position (in place of removed set screw) per Figure 3. Torque to 2.5 in-lbs.
5. Update the aircraft log book to indicate installation of the DSI 9786-011 kit.

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED  BY: D. SHEPHERD (DE # 02)	
DATE:	17.07.14
CERT. NO.:	SH05-4
ISSUE NO.:	3

APPROVED

A	NEW ISSUE, REF PAR16-548		WK	17.07.14
REV.	DESCRIPTION		BY	DATE
DESIGN	WK	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	REV. A	SHEET 1 OF 2
DRAWN	WK			
CHECKED	VS	DRAWING NO. DSI 9786	TITLE	SCALE NTS
MFG. APPR.	N/A			
APPROVED	HS	FUEL PUMP DRAIN	COPRIGHT © 2017 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DE APPR.	DS			
DATE	17.07.14			

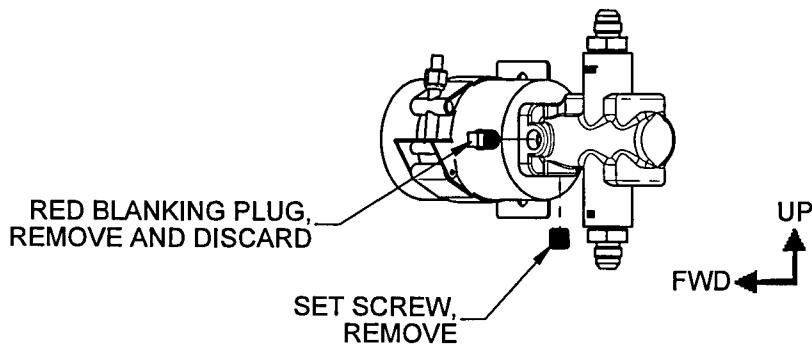


FIGURE 2: RED BLANKING PLUG & SET SCREW REMOVAL

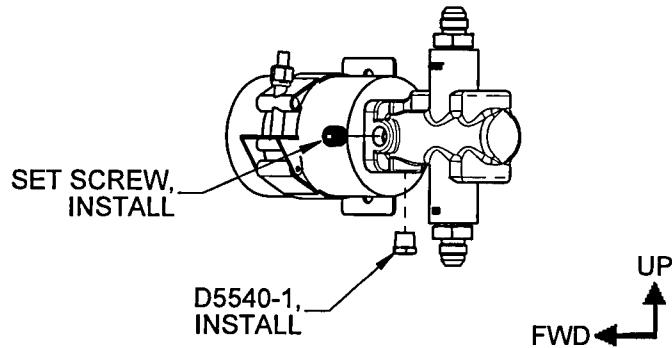


FIGURE 3: D5540-1 BREATHER VENT & SET SCREW INSTALLATION

4.0 WEIGHT AND BALANCE

This DSI has negligible effect on weight and balance.

5.0 PARTS LIST

The DSI 9786-011 Breather Vent Kit can be procured from DART to make this improvement.

Qty -011	Part Number	Description
X	DSI 9786-011	BREATHER VENT KIT
1	D5540-1	BREATHER VENT

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED BY: D. SHEPHERD (DE # 02)	
DATE: CERT. NO.: ISSUE NO.:	17.07.14 SH05-4 3

APPROVED

DESIGN	WK	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	WK	DRAWING NO. DSI 9786	
CHECKED	VS	REV. A	
MFG. APPR.	N/A	SHEET 2 OF 2	
APPROVED	HS	TITLE	
DE APPR.	DS	SCALE NTS	
DATE	17.07.14	FUEL PUMP DRAIN	

COPYRIGHT © 2017 BY DART AEROSPACE LTD.
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.